

**ABSTRACT**

The present invention relates to subterranean cementing operations, and more particularly, to methods of cementing in subterranean formations using cement compositions that autogenously cure voids that may form in such cement compositions. In one embodiment, the present invention provides a method of cementing in a subterranean formation penetrated by a well bore comprising the steps of: placing a cement composition into the well bore, wherein the cement composition comprises a first cementitious component having a first set time and a second cementitious component having a second set time that is delayed relative to the first set time of the first cementitious component; allowing the first cementitious component to at least partially set; and allowing the second cementitious component to set after a delay period.

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